



Glide Angle

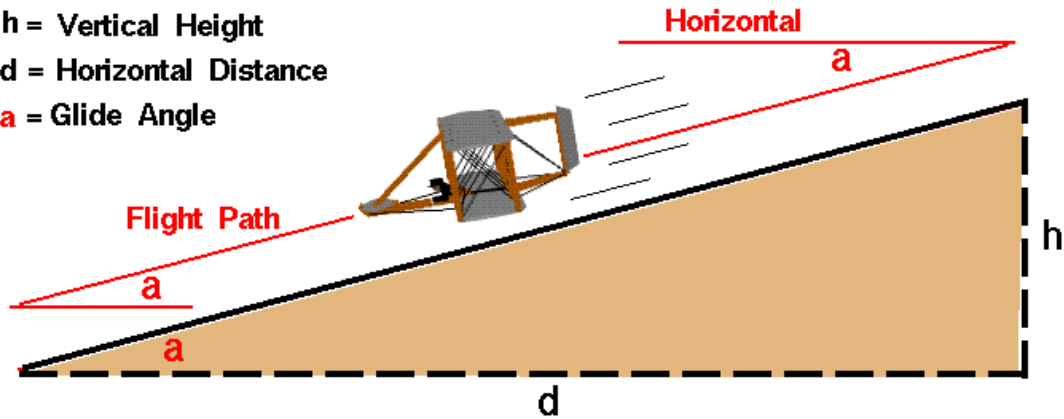
Glide Ratio

Glenn
Research
Center

h = Vertical Height

d = Horizontal Distance

a = Glide Angle



From trigonometry : $\tan(a) = \frac{h}{d}$ **ratio** = $\frac{\text{Vertical Height}}{\text{Horizontal Distance}}$

Hypothesis: What will be the distance your rocket will travel at the 45 degree make??

Angle (degree)	Distance (inches)	
15 degrees		
30 degrees		
45 degrees	Guess	Actual
60 degrees		
75 degrees		